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IN THE CLAIMS:

1. (Original) A hermetically sealed, optical fiber assembly, comprising:

a plurality of optical fibers;

a ferrule having a first aperture extending through a first end of the ferrule and a plurality of second apertures extending through a second end of ferrule opposing the first end of the ferrule such that a continuous passage is formed between the first aperture and each of the second apertures, said first aperture having a diameter greater than a diameter of the second apertures and being sufficiently large in size to receive the plurality of optical fibers therein, each of said optical fibers traversing the first aperture and a respective one of the second apertures;

an adhesive material securing each of the optical fibers to the first aperture and to said respective one of the second apertures; and

a solder material bonding each of said optical fibers to an entrance to said respective one of the second apertures.

2. (Original) The optical fiber assembly of claim 1 wherein said adhesive material substantially fills said first aperture.

3. (Original) A method of forming a hermetically sealed, optical fiber assembly, said method comprising the steps of:

providing a ferrule having a first aperture extending through a first end of the ferrule and a plurality of second apertures extending through a second end of ferrule opposing the first end of the ferrule such that a continuous passage is formed between the first aperture and each of the second apertures, said first aperture having a diameter greater than a diameter of the second apertures;

inserting a plurality of optical fibers into the ferrule such that the

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plurality of optical fibers traverses said first aperture and each of the optical fibers traverse a respective one of the second apertures;

applying an adhesive material between each of the optical fibers and the first aperture;

applying an adhesive material between each of the optical fibers and said respective one of the second apertures; and

applying a solder material to bond each of the optical fibers to an entrance to said respective one of the second apertures.

4. (Original) The method of claim 3 further comprising the step of substantially filling said first aperture with the adhesive material.

5. (Original) The method of claim 3 wherein the step of applying a solder material includes the step of removing a portion of a sheath surrounding each of the optical fibers and applying a metallic coating to each exposed portion of the optical fibers.